



Spawning habitat conditions:  None  Poor  Fair  Good  Excellent

Describe spawning habitat: The gravel size ranges from 1" to 4"; there is good brushy cover and in-stream cover present; and the habitat is mostly riffled.

Rearing habitat conditions:  None  Poor  Fair  Good  Excellent

Describe pond and other rearing habitat: The average stream gradient is 8% as it is mostly riffled with step pools. The average stream width is 0.9 meters and it has a substrate with a cobble/gravel/sand mix. At the lower end of the site, the canopy cover consists of Douglas Firs with an understory of vine maple and salmonberry. From 239 meters to 660 meters, the stream flows through a young Douglas Fir plantation with heavy blackberries over the channel and slash covering the stream in places. Upstream of 660 meters, there are more hardwoods present with an understory of vine maple and salmonberry.

Describe unaccessible habitat:

Wetland type:  Bog  Marsh  Scrub-shrub  Forested

Describe:

Flooding potential:  Low  Medium  High

Describe: This stream gains in elevation quickly and there is no threat of the mainstem flooding this site.

#### FISH INFORMATION

Site entry condition:  Poor  Fair  Good

Describe: Riffle of this site meets a riffle of the mainstem in the entry area. For the initial 32 meters the stream is at 7% grade and then it increases to 12% grade for the next 35 meters.

Coho access and use: Juvenile  Unknown  None  Poor  Fair  Good  
Adult  Unknown  None  Poor  Fair  Good

Describe: Coho access and use is doubtful because of the streams high gradient nature and its relatively small size.

Other species access and use:  Chum  Pink  Sockeye  Chinook  Trout

Describe: A few juvenile trout were observed in the site during the survey. The last observation was at 912 meters.

ENHANCEMENT OPPORTUNITIES: The culvert (LP64) is a partial barrier and could be repaired to enhance fish passage to the upper reaches of this site.

Project type:

Equipment access:

ADDITIONAL COMMENTS: The stream was 0.6 meters in width and the gradient was at 12% where the survey was ended. Coho access and use was doubtful.

#### ATTACHMENTS AVAILABLE

Aerials  Sketch  Maps  Spawning Surveys  Juvenile Trapping  
 Other References

Site id. code: P121B19  
 Site name:  
 Scale: 1"=125M  
 Observer(s): OLIS  
 Legal location: NE 1/4 S17 T32 R05E

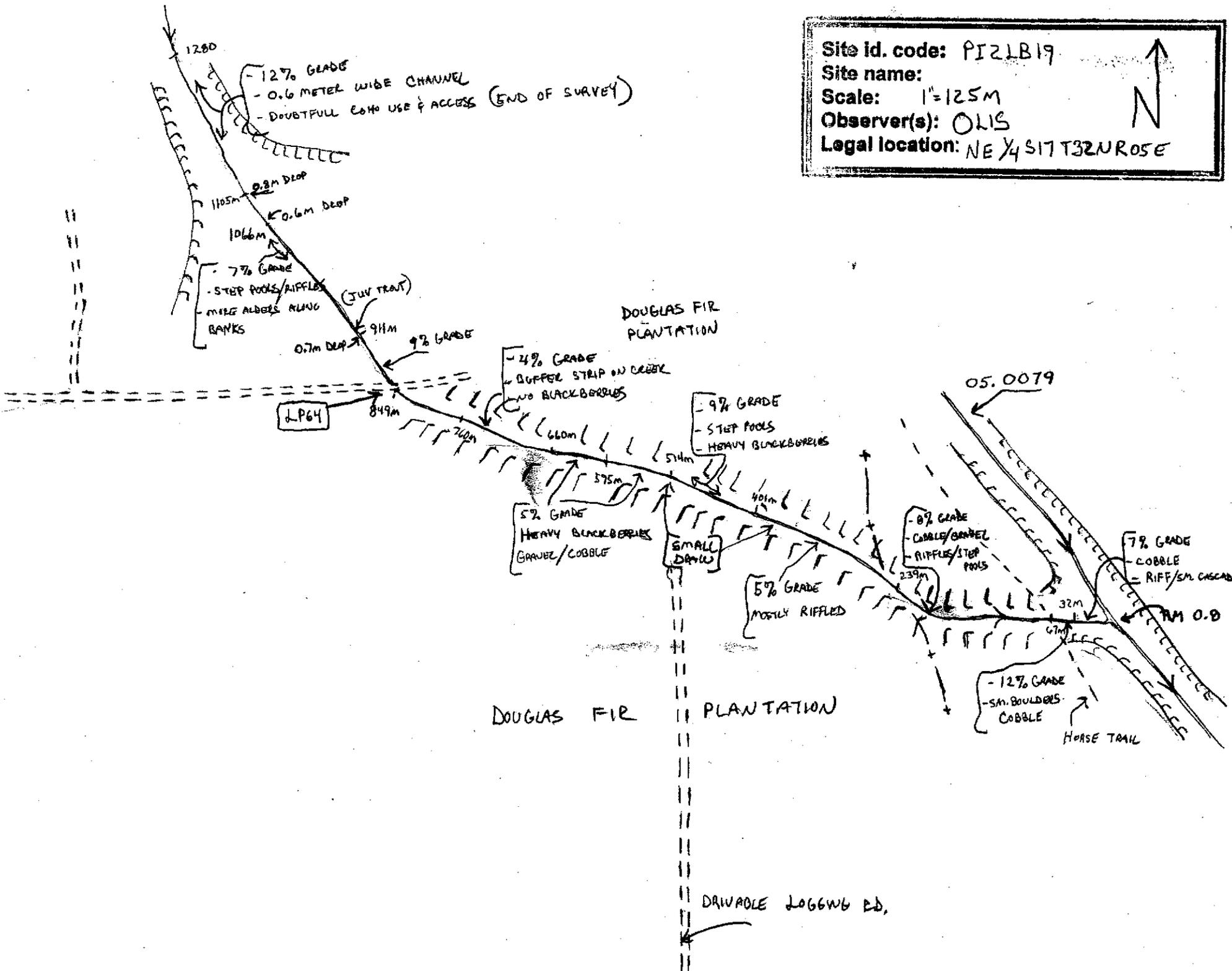
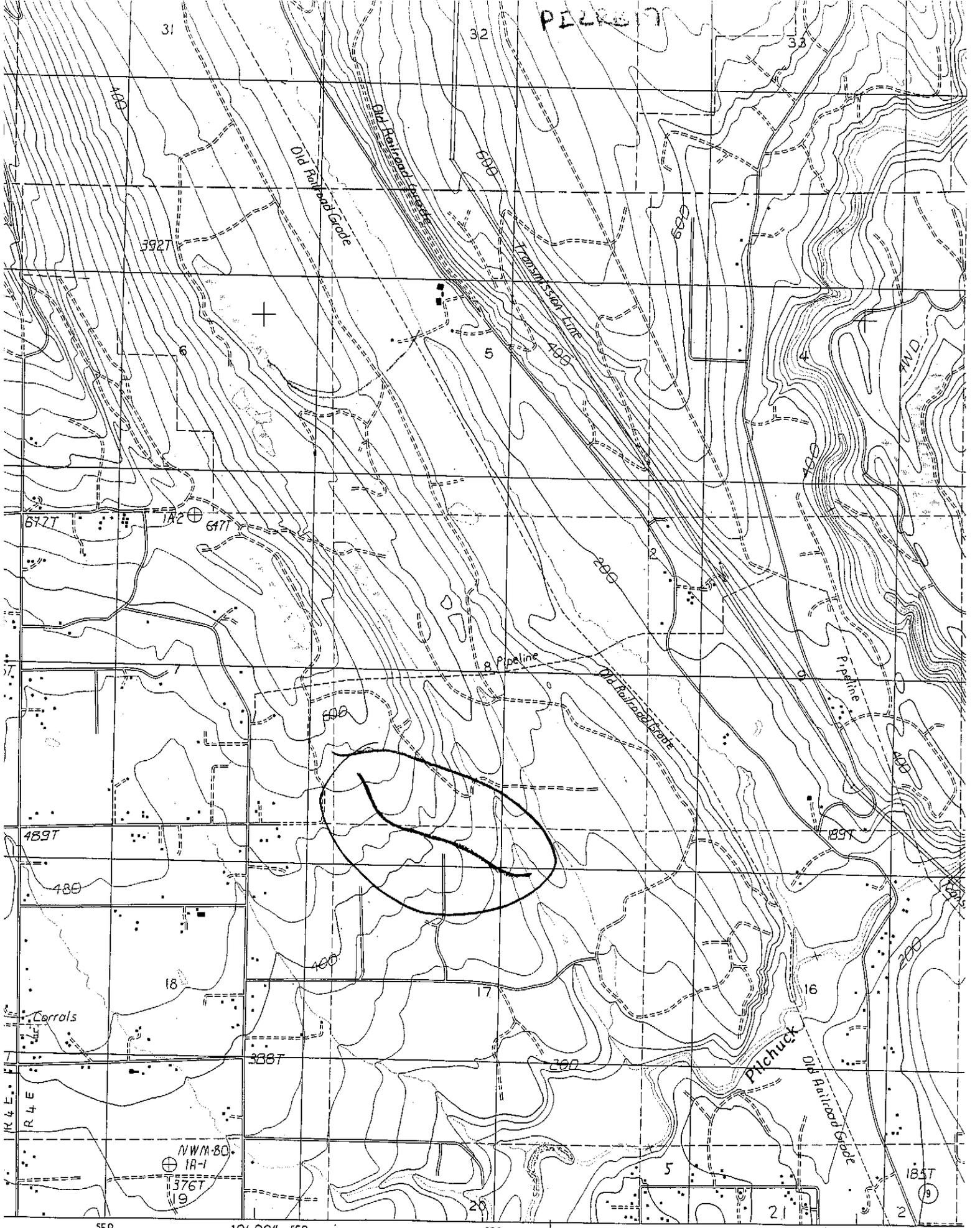


PLATE 17



IR 4 E.  
R 4 E

558 12' 30" 559 560 561 10' 562

SCALE 1:24 000

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1985



2

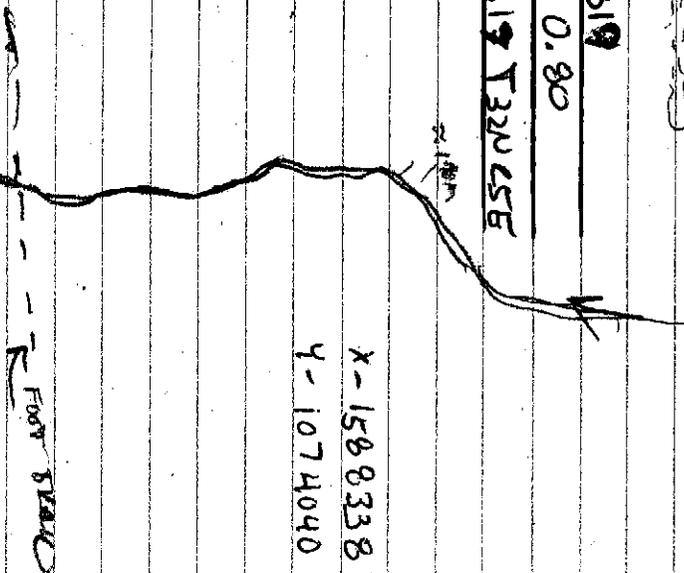
4-18-02

PI2RB19

PM 0.30

NEYS19 T3205E

X-1589338  
Y-1074040



DOUGLAS  
FIR

DOUGLAS  
FIR

FOOT BRICK

05-0079

0.0 GUTTER

ACCESS -> RIFLE MOUNTS RIFLES  
OUT - 46° UP - ELVE - 4%

FLOW - 0.5 CFS

20m WUD 1.4m - RIFLED - 70%

RAWS WAGED BY 2'  
CORBELS - SALMONBERRY & WUD PARTS

32m WUD 4.2m - RIFE/SM CORC  
7%

67m WUD 1.2m - CORC/STOR POOLS

12% GRADE  
SM BERRIES / ROBBER  
FOOT TRAIL

230m WUD 1.5m - RIFE - STOR POOLS  
(8%) CORBELS / GRAVEL  
500 ym<sup>2</sup>

2.4" GRAVEL

312m WUD 1.4m 8% (SM GRAVEL)

4m<sup>2</sup> - HENRY BLOSSA (IN PIPITARY)

336m BEAVER CHANNEL FLOW WUD  
SLASH SMALL TRAIL

361 m w/w 1.1 m  
- 50% (RIPPLED)  
- @ 2.5' DROP

401 m w/w 1.1 m  
GR/COBBLE 6m<sup>2</sup> 5%

457 m w/w 1.1 m - 80%  
RIFLE / STON POOLS

519 m w/w 1.1 m 10%  
HAY BLACK BERRIES  
- @ OLD SANDS?

H-24-02...

595 m w/w 1.1 m - MOSTLY RIFLE  
10% POOLED - 6% GRADE  
SAND / GRAVEL - 5m<sup>2</sup>

- AREA 1' DEEPS - HONEY SCUM  
W CHANNEL / 56m<sup>2</sup> SCUM

660 m w/w 0.9 m - 50% GRADE  
- 6m<sup>2</sup>

715 m w/w 0.75 m 4%  
- END of QUANTATION 3m<sup>2</sup>

760 m 0.8 m 4%  
5m<sup>2</sup>

- OLD SANDS / POOLS MANY HAY  
BANKS / AND BLACK BERRIES

849 m w/w 0.7 m - 90% GRADE  
RIPPLED - COBBLE - SL. WISER BANKS  
- @ CULTURE

854 m UPPER END OF HP64

911 m w/w 0.9 m 9%

COBBLE / GRAVEL - @ 0.7 m DEEP  
TREE TRUNK POOLS - SUN TRAIT GRASS  
JUST UPSTRE

1066 m w/w 0.75 m - 70% GRADE

P-GR / COBBLE /  
- GRASS - POOLS / RIPPLES

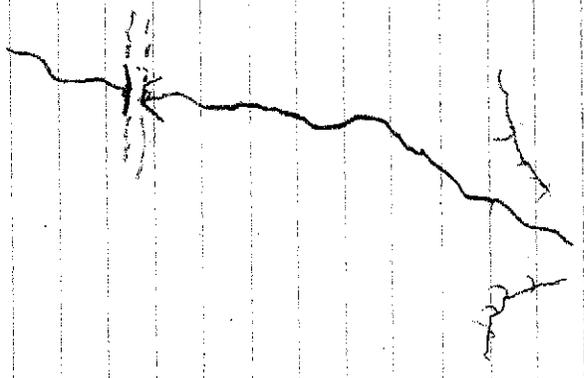
- @ 0.6 m DEEP  
- MOSTER ALDERS W SANDPY.

1250 m 12% GEARD

2' WIND OK

DARTFOLD CORRO USB @

ACCESS,



1105 m 0.8 m DEEP

- 0.75m WIND

1128 m 12% GEARD

1172 WIND 0.75 m

- @ 0.8m DEEP TALL SPARE

ROCKS - 80% GEARD

1220 WIND 0.6 m. 20% @ 0.6m WIND